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Serial No.:09/892,184
Attorney Docket No.:4L01.1-012
PATENTClaim Listing

1-20 (canceled)

21. (currently amended) A medical data handling system, comprising:

a portable personal data device storing patient data comprising personal identification information and medical insurance information associated with a person;

a mobile data management system configured to read the personal data device and transmit the personal identification information and the medical insurance information to a medical treatment facility prior to the person's arrival at the medical treatment facility; and

a medical treatment facility computer configured to receive the personal identification information and the medical insurance information and prepare an admission report including the personal identification information and the medical insurance information to facilitate admission of the associated person for treatment at the medical treatment facility.

a portable personal data device storing patient data associated with a person comprising personal identification information, medical insurance information, or and emergency medical treatment information;

a mobile data management system carried by an ambulance configured to read the personal data device, display the emergency medical treatment information, and transmit the patient data to a hospital while the ambulance is in transit to the hospital; and

a medical treatment facility computer configured to receive the patient data and prepare a hospital admission report based on the patient information while the ambulance is in transit to the hospital.

22. (previously presented) The medical data handling system of claim 21, wherein the personal data device comprises a wallet-sized smartcard.

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23. (currently amended) The medical data handling system of claim 21, wherein:
the personal identification information read from the personal data device and
included in the admission report includes hospital admission report comprises a
photograph of the person to facilitate proper identification of the person upon arrival at
the medical treatment facility hospital.

24. (currently amended) The medical data handling system of claim 21, wherein:
the personal data device further stores medially relevant data concerning the
associated person; and
the mobile data management system is configured to read and display the
medially relevant data.
~~wherein the patient data stored on the personal data device comprises present medical~~
~~condition information.~~

25. (currently amended) The medical data handling system of claim 21, wherein
the mobile data management system is further configured to:
receive medical device readings associated with the person patient taken while
the ambulance person is in transit to the hospital; and
~~include these transmit the medical device readings in the data transmitted to the~~
~~medical treatment facility computer prior to the person's arrival at the medical treatment~~
~~facility.~~

26. (previously presented) The medical data handling system of claim 21,
wherein wherein:
the mobile data management system is further configured to receive data input
by an emergency medical technician attending to the person in the ambulance while the
ambulance person is in transit to the medical treatment facility hospital and transmit that
data to the medical treatment facility computer prior to the person's arrival at the
medical treatment facility; and
the medical facility computer is configured to include the data input by the
emergency medical technician in the admission report.
~~-which includes that information in the hospital admission report.~~

27. (currently amended) The medical data handling system of claim 21, wherein: the medical treatment facility computer is configured to obtain additional medical data pertaining to the person from a secure medical data storage system, and include that additional medical data in the ~~hospital~~ admission report.

28. (currently amended) The medical data handling system of claim 21, wherein: the patient data includes the identification of a computer associated with the person; and

the medical treatment facility computer is configured to obtain additional medical data pertaining to the person from the computer associated with the person, and include that additional medical data in the ~~hospital~~ admission report.

29. (currently amended) The medical data handling system of claim 21, wherein: the patient data includes the identification of an insurance company computer associated with the person; and

the medical treatment facility computer is configured to obtain additional medical data pertaining to the person from the insurance company computer, and include that additional medical data in the ~~hospital~~ admission report.

30. (currently amended) The medical data handling system of claim 21, wherein: the mobile data management system comprises a global positioning system device tracking the location of the ambulance;

data indicating the location of the ambulance is included in the data transmitted to the medical treatment facility; and

the medical treatment facility computer determines an estimated time of arrival of the ambulance at the hospital and includes that information in the ~~hospital~~ admission report.

31. (currently amended) The medical data handling system of claim 21, wherein the patient data includes the person's name, gender, age, weight, blood type, physician's name, medical insurance information, emergency contact information, present medical conditions, ~~bleed type~~, and organ donor status.

32. (currently amended) The medical data handling system of claim 21, wherein:

the personal data device comprises a first data storage area comprising patient identification information and emergency medical treatment information accessible by the mobile data management system;

the personal data device comprises an a second data storage area comprising secured medical data that is not accessible by the mobile data management system;

the mobile data management system is configured to transmit the secured medical data to the medical treatment facility without accessing the secured medical data; and

the medical treatment facility computer is configured to access the secured medical data stored in the secured data storage.

33. (currently amended) A medical data handling system, comprising:

a portable personal data device storing patient data associated with a person comprising personal identification information, medical insurance information, and present medical condition information medically relevant information for the person;

a mobile data management system located on an ambulance comprising a data drive for reading the personal data device, a display for ~~display the present medical condition information~~ displaying at least a portion of the medically relevant information, a ~~medical device interface for receiving medical device readings taken while the person is in the ambulance~~, a ~~data input interface for receiving attending data input by a medical technician attending to the person while the person is in the ambulance~~, and a data transmission device for transmitting a patient report including the personal identification information, medical insurance information, and the medically relevant information the patient data, medical device readings and attending data to a hospital while the ambulance is in transit to the hospital;

a medical treatment facility computer configured to receive the patient report and prepare a hospital admission report based on the patient information including at least the personal identification information and the medical insurance information prior to the person's arrival at the hospital, while the ambulance is in transit to the hospital;

the personal data device comprises a transport accessible data storage area

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~~comprising information that is accessible by the mobile data management system;~~
~~the personal data device comprises a hospital-accessible data storage area~~
~~comprising medical data that is not accessible by the mobile data management system;~~
~~the mobile data management system is configured to transmit the hospital-~~
~~accessible medical data to the medical treatment facility; and~~
~~the medical treatment facility computer is configured to access the hospital-~~
~~accessible medical data.~~

34. (currently amended) A method for handling medical information, comprising
the steps of:

storing patient data including personal identification information and medical
insurance information for an associated person on a portable personal data device;
providing the portable personal data device to the associated person;
obtaining the personal data device when the person requires medical attention;
reading the personal identification information and the medical insurance
information from the personal data device and transmitting the personal identification
information and the medical insurance information to a medical treatment facility prior to
the person's arrival at the medical treatment facility;
preparing an admission report including personal identification information and
the medical insurance information in advance of the person's arrival at the medical
treatment facility to facilitate admission of the patient for treatment at the medical
treatment facility.
using a mobile data management system to read personal health information
from a personal medical data device associated with a patient requiring medical
attention;
transmitting the personal health information from the mobile data management
system to a medical treatment facility prior to or during transport of the patient to the
medical treatment facility;
obtaining medical records associated with the patient from a secure medical data
storage system using the personal health information received from the mobile data
management system;
compiling a hospital admission report comprising the secure medical records in

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~~advance of the patient arriving at the medical treatment facility; and
providing a printed a copy of the hospital admission report at the medical treatment facility in advance of the patient's arrival at the medical treatment facility.~~

35. (currently amended) The method of claim 34, wherein further comprising the step steps of obtaining the medical records associated with the person from comprises the step of accessing a secured data storage area on the personal medical data device and transmitting the medical records to the medical treatment facility prior to the person's arrival at the medical treatment facility.

36. (currently amended) The method of claim 34, further comprising the step of using data read from the personal data device to access medical records maintained on a secure medical records maintenance system located outside the personal data device prior to the person's arrival at the medical treatment facility. wherein the step of obtaining the medical records comprises the step of accessing a secure medical records maintenance system located outside the personal medical data device.

37. (currently amended) The method of claim 34, further comprising the steps of:

receiving medical device readings from the patient while the patient is located in an emergency transport vehicle in transit to the medical treatment facility;
storing the medical device readings on the personal medical data device;
transmitting the medical device readings to the medical treatment facility while the patient is in transit to the medical treatment facility; and
including the medical device readings in the hospital admission report.

38. (currently amended) The method of claim 34, further comprising the steps of:

receiving medical treatment information regarding medical procedures administered to the patient while the patient is located in an emergency transport vehicle in transit to the medical treatment facility;

storing the medical treatment information on the personal medical data device;

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transmitting the medical treatment information to the medical treatment facility while the emergency transport vehicle is in transit to the medical treatment facility; and including the medical treatment information in the hospital admission report.

39. (currently amended) The method of claim 34, ~~wherein the personal health information comprises medical insurance information~~, further comprising the steps of obtaining medical coverage information using the medical insurance information, and including the medical coverage information in the hospital admission report.

40. (currently amended) The method of claim 34, wherein the personal identification information read from the personal data device includes a photograph of the associated person, further comprising the step of including a copy of the photograph of the patient in the hospital admission report to facilitate proper identification of the patient upon arrival at the medical treatment facility hospital.